



# Final Results

Report To:

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM (WT1177)  
1594 W NORTH TEMPLE-SUITE 1210  
Salt Lake City, UT 84114

Bill To:

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM  
1594 W NORTH TEMPLE-SUIT 1210  
Salt Lake City, UT 84114

Project ID: C2019-06452

Steve Christensen,

Your sample(s) submitted to Utah Public Health Laboratory (UPHL) on Wednesday, November 20, 2019 were assigned the UPHL Project ID **C2019-06452**. Enclosed are the analytical results pertaining to that Project ID.

Herein are the results relating only to the sample(s) received and tested for the project C2019-06452. All associated analyses were performed following the UPHL Quality Assurance Plan. This report and its contents have been reviewed and approved by the appropriate Laboratory Staff and Supervisor(s). This report shall not be reproduced, except in full, without the written permission of UPHL.

If you have any questions regarding your results, please contact UPHL at (801) 965-2400 and reference the Project ID C2019-06452.

A handwritten signature in black ink, appearing to read "Kyle Ashby", written over a horizontal line.

Reviewed by: Kyle Ashby  
Reviewed on: 12/13/2019



# Project Summary

**Report To:**

Steve Christensen (WT1177)  
DEPT OF NATURAL RESOURCES-OGM (WT1177)  
1594 W NORTH TEMPLE-SUITE 1210  
Salt Lake City, UT 84114

Phone: 801-538-5262

Fax: 801-359-3940

E-mail: [stevechristensen@utah.gov](mailto:stevechristensen@utah.gov)

**Bill To:**

Steve Christensen  
DEPT OF NATURAL RESOURCES-OGM  
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Project ID: C2019-06452

Sample #	Date Collected	Date Received	Facility	Sampling Point	Site Description
2220472	11/18/19	11/20/19	N/A	N/A	PRE-002
2220474	11/18/19	11/20/19	N/A	N/A	PRE-002

# Analytical Report

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2220472 Text ID: TCH19-2861 Matrix: Water Bottle Type: Total Chemistry - 1 L unpreserved plastic SDWIS Type: Private Investigative	Date Collected 11/18/2019 11:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

## Analysis Method - EPA 375.2

Analyzed By: Keith Henderson Analysis Date: 12/03/2019 Analysis Batch: EPA375.2-20191203-1 Instrument ID: CHM_LACHAT_02		Reviewed By: Aoi Kan Reviewed Date: 12/04/2019 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Sulfate	133 mg/L	1		9.04 mg/L	20.00 mg/L	20.0 mg/L

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2220474 Text ID: UFL19-0518 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 11/18/2019 11:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

## Analysis Method - Turbidity for Metals

Analyzed By: Robert Lo Analysis Date: 11/22/2019 Analysis Batch: EPA180.1_M-20191122-1 Instrument ID:		Reviewed By: Robert Lo Reviewed Date: 11/22/2019 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Turbidity	<1 NTU	1		.5 NTU	1.0 NTU	1.0 NTU

## Analysis Method - EPA 200.7

Analyzed By: Stefan Liao Analysis Date: 12/03/2019 Analysis Batch: EPA200.7-20191209-1 Instrument ID: ICAP_7400		Reviewed By: Robert Lo Reviewed Date: 12/13/2019 Prep Method: Prep Batch: Prep Date:				
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Iron	894 µg/L	1.00		15 µg/L	30 µg/L	30 µg/L

# Analytical Report

Facility: N/A Sampling Point: N/A Site Description: PRE-002	
Sample ID: 2220474 (Continued) Text ID: UFL19-0518 Matrix: Water, Non-filtered Bottle Type: UnFiltered water for Drinking Water SDWIS Type: Private Investigative	Date Collected 11/18/2019 11:15:00AM Collected By: JE COC Initiated: Yes Condition of Seal: Not Present

## Analysis Method - EPA 200.8

Analyzed By: Robert Lo Analysis Date: 12/02/2019 Analysis Batch: EPA200.8-20191203-1 Instrument ID: CHM_AGILENT_7700			Reviewed By: Stefan Liao Reviewed Date: 12/09/2019 Prep Method: Prep Batch: Prep Date:			
Analyte	Result	Dil Fac	Qualifier	MDL	MRL	SRL
Selenium	<1.00 µg/L	1.00	U	0.5 µg/L	1 µg/L	1.0 µg/L

## Report Comments

This report contains only the results for analyses requested and tested.

Unless otherwise noted:

- Samples were received in acceptable condition.
- Samples have not been blank corrected.
- All Quality Control Samples processed yielded acceptable results.

## Report Symbol Definitions

MDL - Method Detection Limit, a statistically estimated concentration for instrument/method/matrix sensitivity.

MRL - Method Reporting Limit, the minimum concentration that can be reported as a quantitated value.

SRL - Sample Reporting Limit, the minimum concentration that can be reported as a quantitated value taking into account limitations inherent in the sample matrix.

ND - Not Detected, tested result was not detected above MDL or MRL.

< - Less than, tested result is less than the numerical value.

U - Not detected/reported